

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120820\
 Data File : VD067909.D
 Acq On : 08 Dec 2020 12:20
 Operator : VA/SY
 Sample : L4965-01
 Misc : 5.07G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CRT012

Quant Time: Dec 09 04:27:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	238444	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	334570	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	295245	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	141438	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	111140	43.42	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	86.84%
35) Dibromofluoromethane	7.92	113	95626	42.71	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	85.42%
50) Toluene-d8	10.34	98	379455	47.08	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	94.16%
62) 4-Bromofluorobenzene	12.64	95	128814	46.23	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	92.46%

Target Compounds

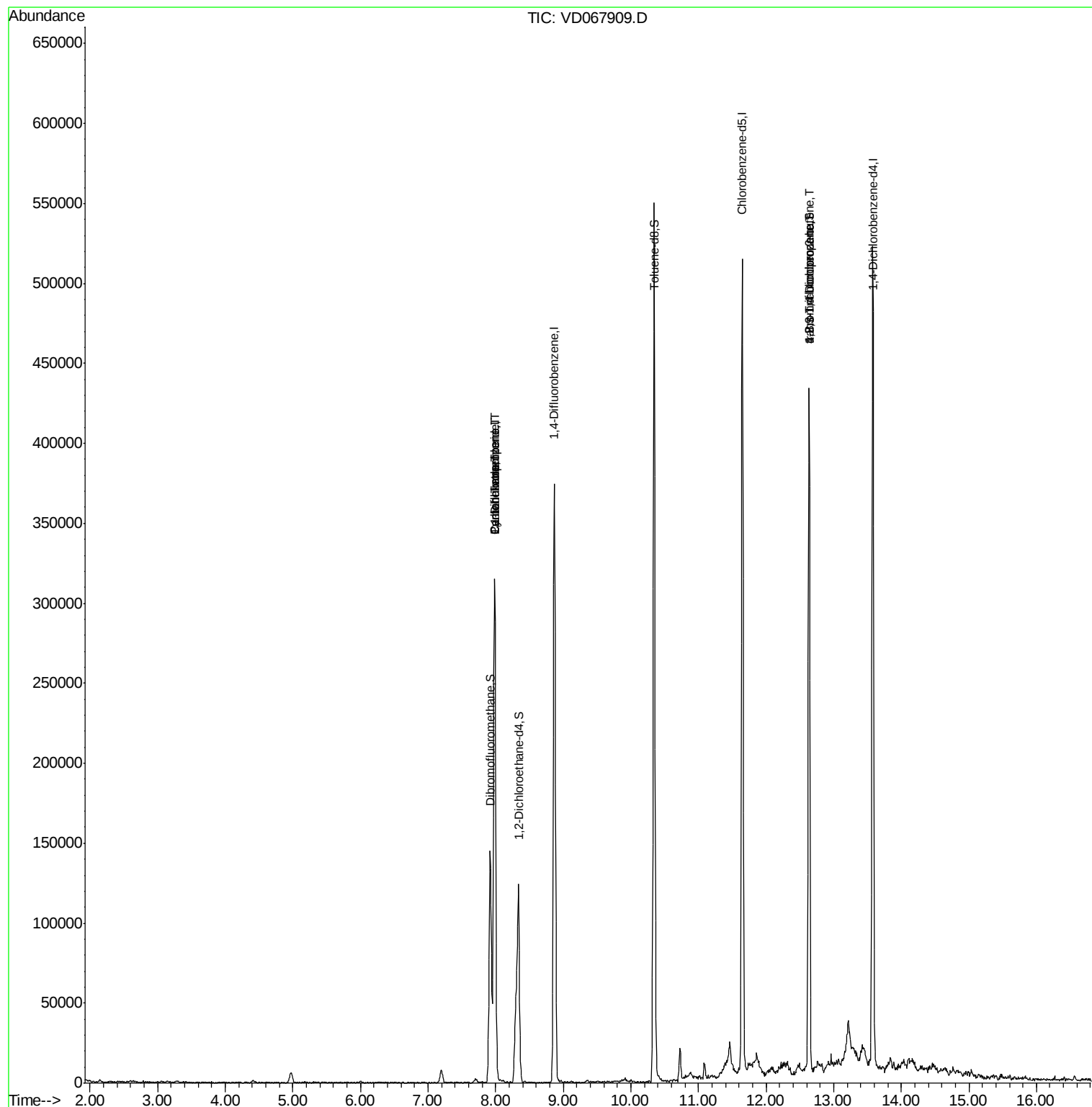
					Qvalue
11) Tert butyl alcohol	5.20	59	219	Below Cal	# 74
20) Methylene Chloride	4.97	84	5122	Below Cal	# 90
31) Cyclohexane	7.99	56	4920	1.824	ug/l # 17
36) 1,1-Dichloropropene	7.98	75	16580	5.724	ug/l # 50
38) Carbon Tetrachloride	7.98	117	26296	6.001	ug/l # 13
76) 1,2,3-Trichloropropane	12.64	75	72043	69.945	ug/l # 1
81) trans-1,4-Dichloro-2-buten	12.64	75	72043	167.315	ug/l # 7

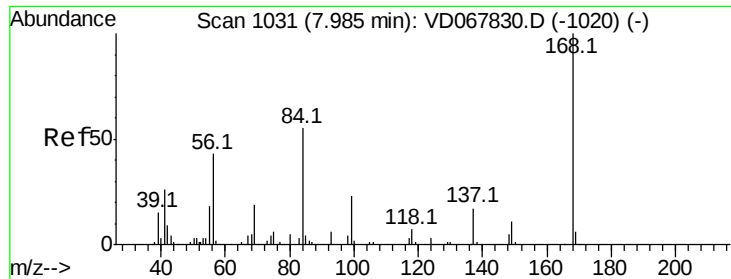
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Dec 02 08:05:58 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067909.D

Acq: 08 Dec 2020 12:20

Instrument :

MSVOA_D

ClientSampleId :

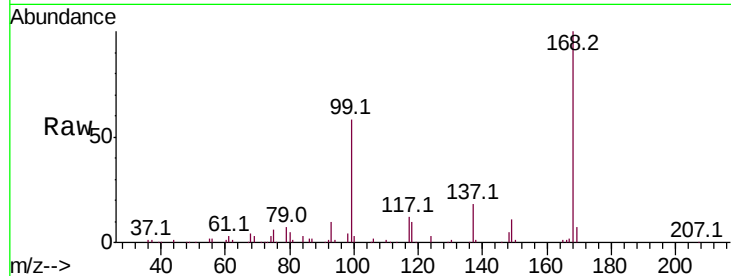
CRT012

Tot Ion:168 Resp: 238444

Ion Ratio Lower Upper

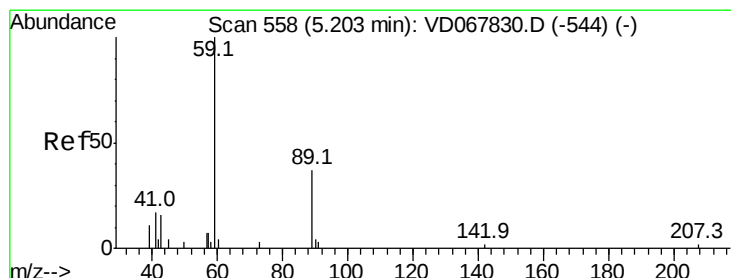
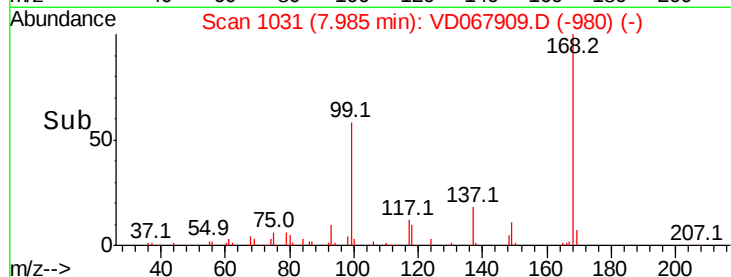
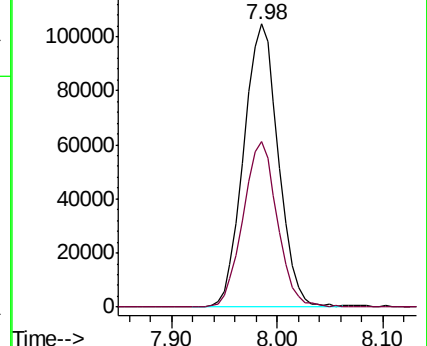
168 100

99 58.1 47.1 70.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 557

Delta R.T. -0.01 min

Lab File: VD067909.D

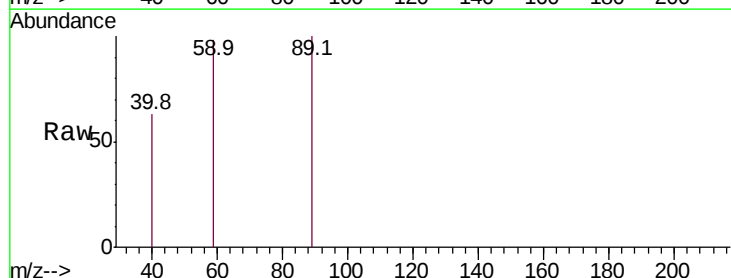
Acq: 08 Dec 2020 12:20

Tgt Ion: 59 Resp: 219

Ion Ratio Lower Upper

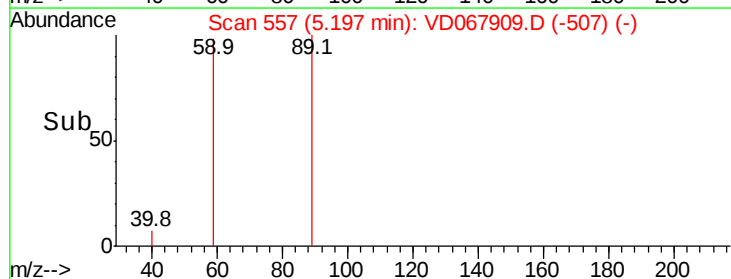
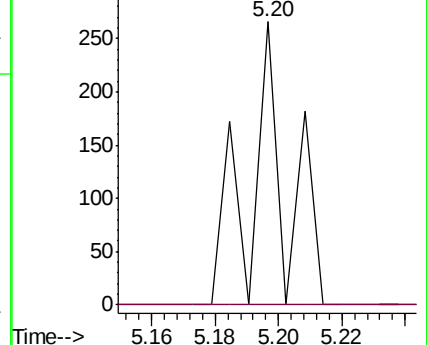
59 100

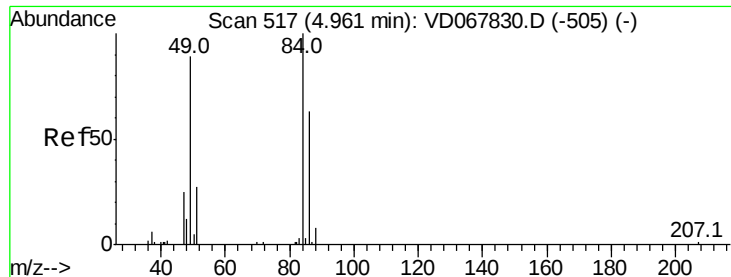
57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

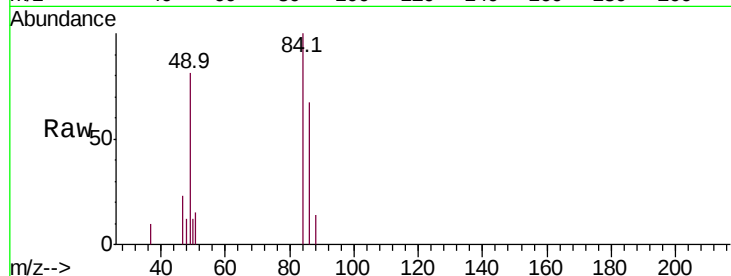




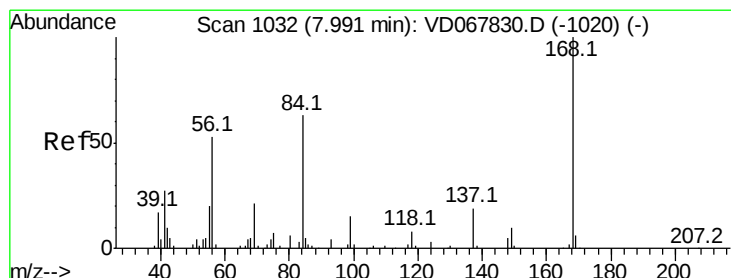
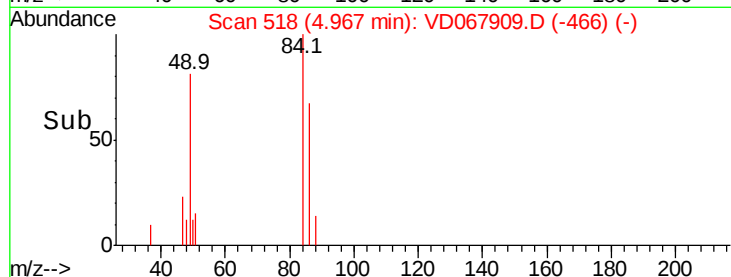
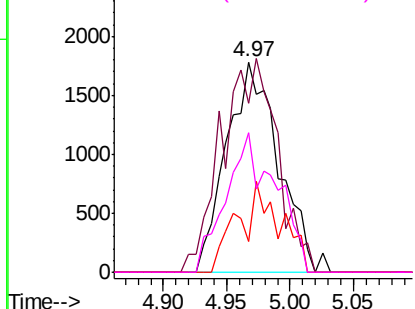
#20
Methvlene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067909.D
Acq: 08 Dec 2020 12:20

Instrument :
MSVOA_D
ClientSampled :
CRT012

Tot Ion: 84 Resp: 5122
Ion Ratio Lower Upper
84 100
49 80.6 71.4 107.0
51 14.7 21.8 32.8#
86 66.6 50.6 75.8

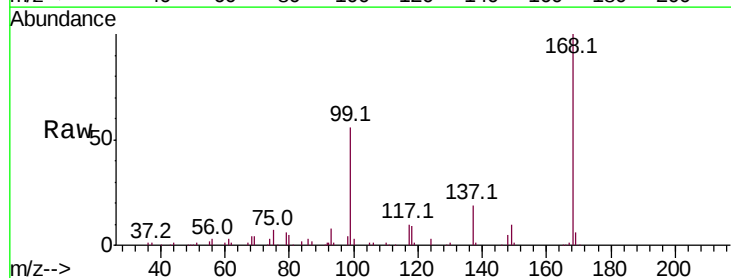


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

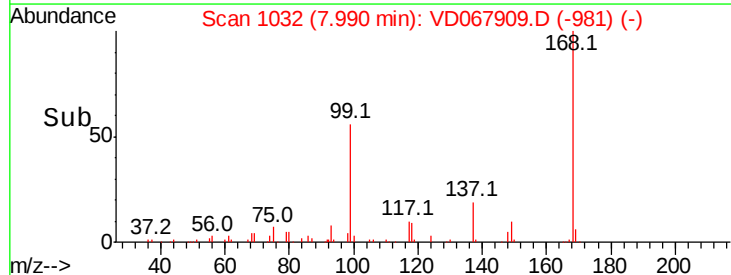
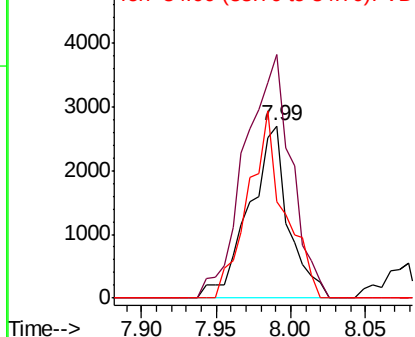


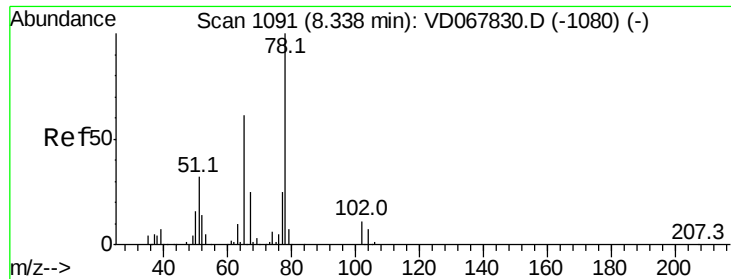
#31
Cyclohexane
Concen: 1.824 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. -0.00 min
Lab File: VD067909.D
Acq: 08 Dec 2020 12:20

Tgt Ion: 56 Resp: 4920
Ion Ratio Lower Upper
56 100
69 141.4 32.1 48.1#
84 55.7 93.2 139.8#



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

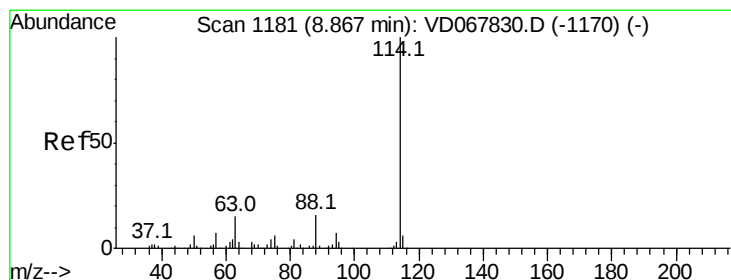
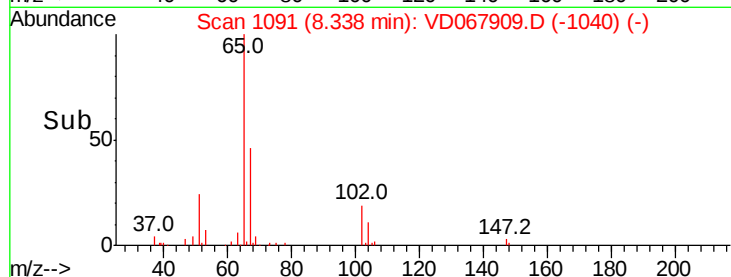
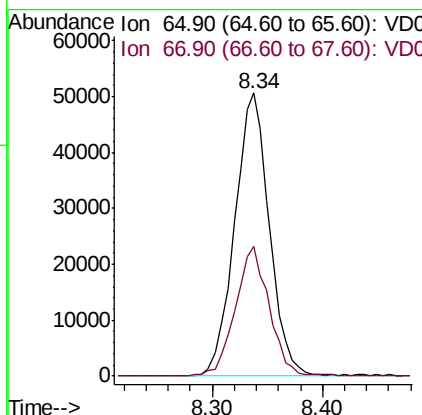
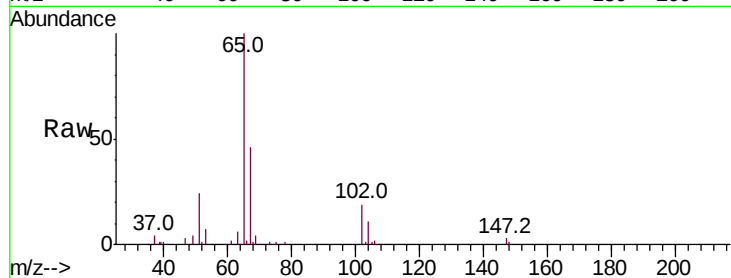




#33
 1,2-Dichloroethane-d4
 Concen: 43.418 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD067909.D
 Acq: 08 Dec 2020 12:20

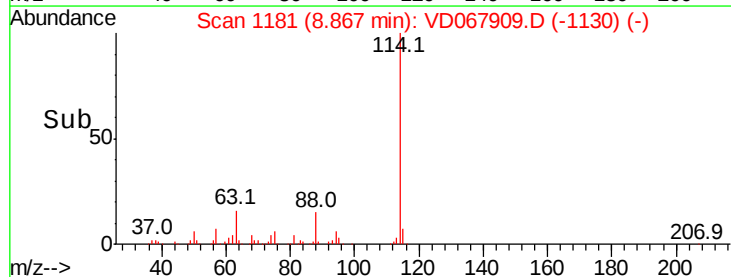
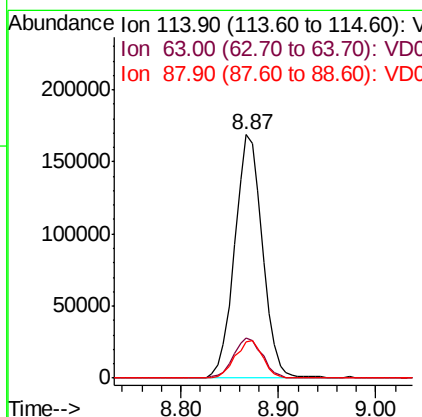
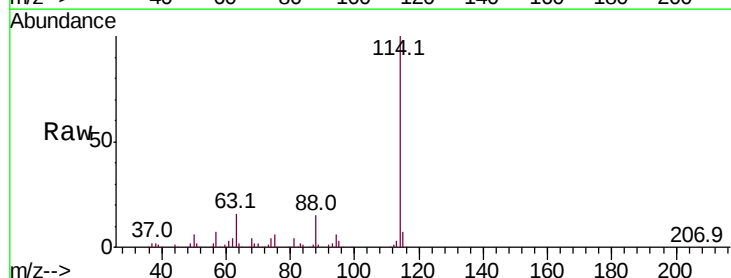
Instrument :
 MSVOA_D
 ClientSampleID :
 CRT012

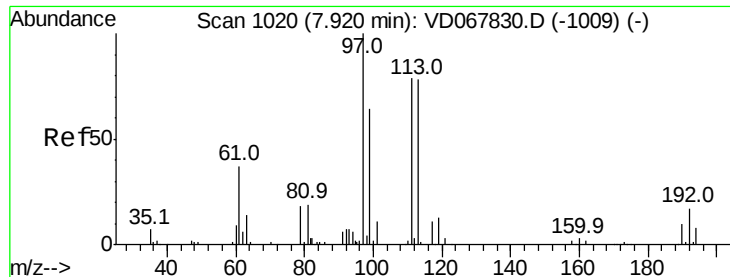
Tot Ion: 65 Resp: 111140
 Ion Ratio Lower Upper
 65 100
 67 44.9 0.0 92.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD067909.D
 Acq: 08 Dec 2020 12:20

Tgt Ion: 114 Resp: 334570
 Ion Ratio Lower Upper
 114 100
 63 16.3 0.0 30.8
 88 15.0 0.0 31.8

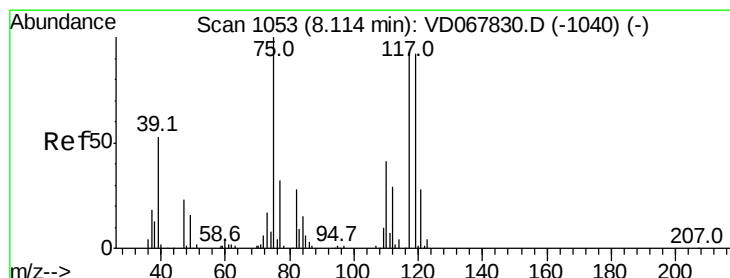
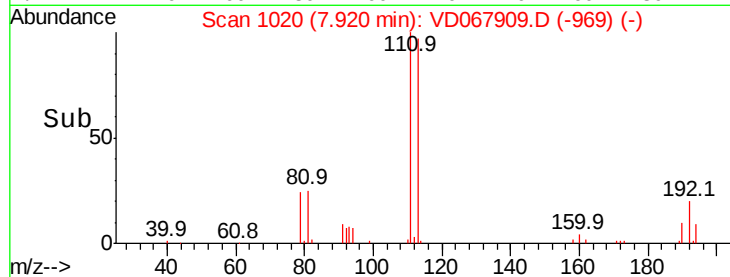
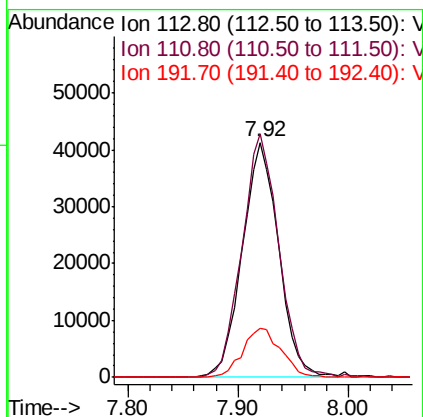
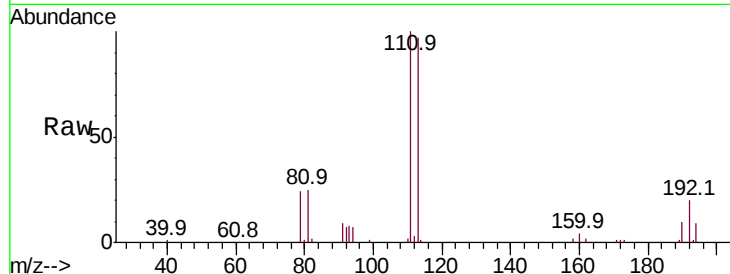




#35
Dibromofluoromethane
Concen: 42.714 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD067909.D
Acq: 08 Dec 2020 12:20

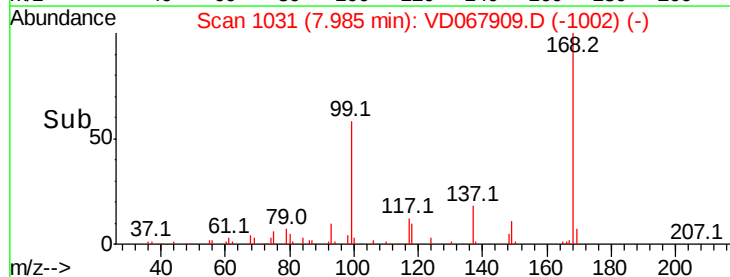
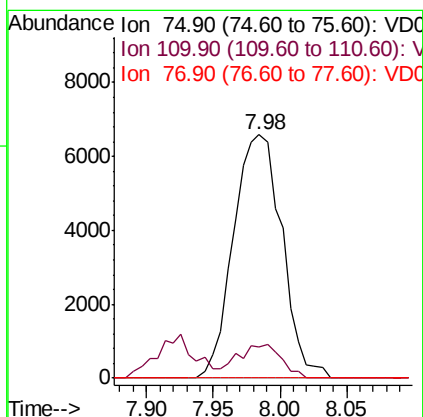
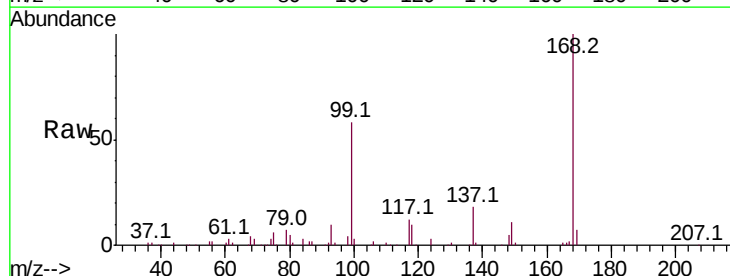
Instrument :
MSVOA_D
ClientSampled :
CRT012

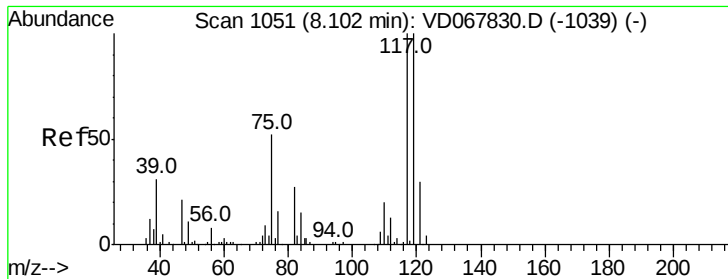
Tot Ion:113 Resp: 95626
Ion Ratio Lower Upper
113 100
111 104.9 81.2 121.8
192 21.8 16.8 25.2



#36
1,1-Dichloropropene
Concen: 5.724 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.13 min
Lab File: VD067909.D
Acq: 08 Dec 2020 12:20

Tgt Ion: 75 Resp: 16580
Ion Ratio Lower Upper
75 100
110 12.3 20.3 61.0#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.001 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD067909.D

Acq: 08 Dec 2020 12:20

Instrument :

MSVOA_D

ClientSampleId :

CRT012

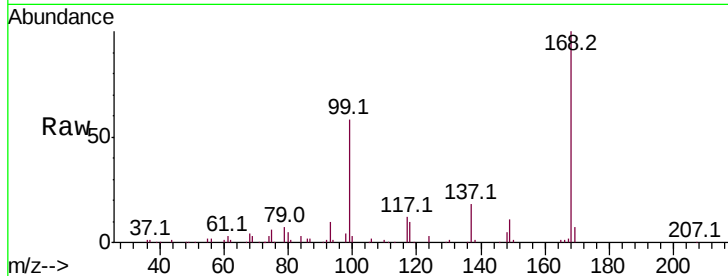
Tot Ion:117 Resp: 26296

Ion Ratio Lower Upper

117 100

119 3.9 79.7 119.5#

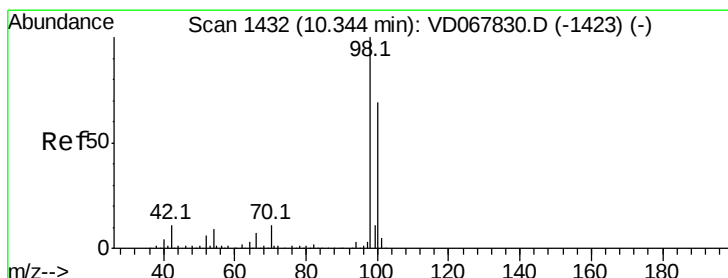
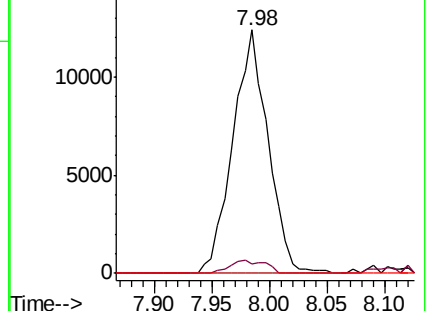
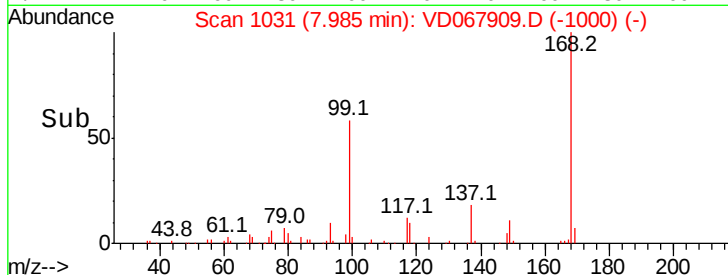
121 0.0 23.8 35.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 47.084 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067909.D

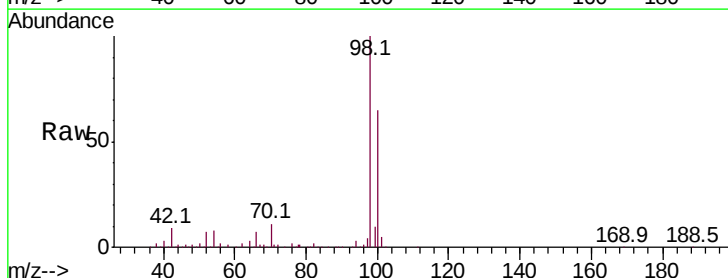
Acq: 08 Dec 2020 12:20

Tgt Ion: 98 Resp: 379455

Ion Ratio Lower Upper

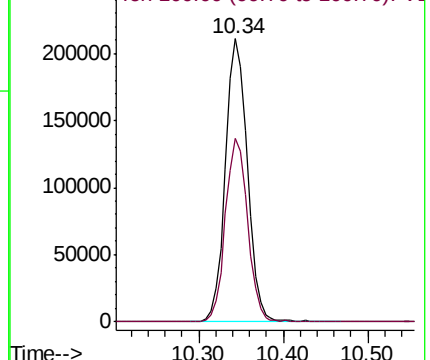
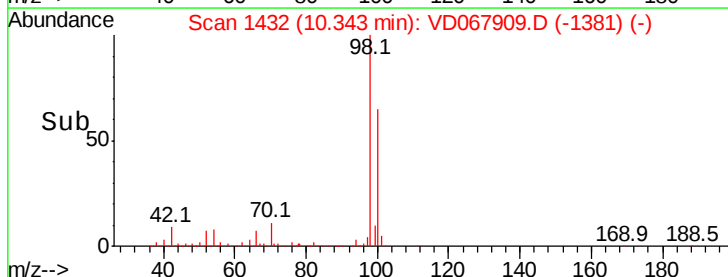
98 100

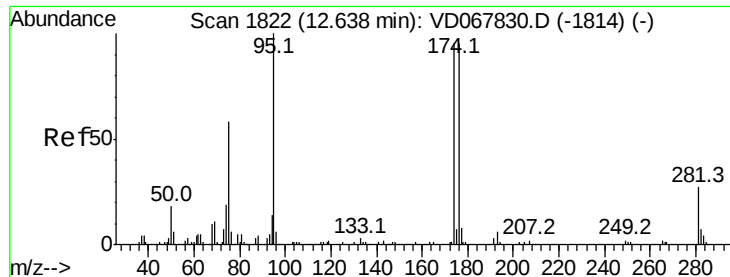
100 65.6 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

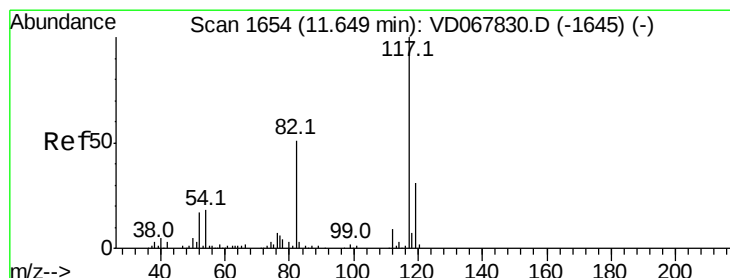
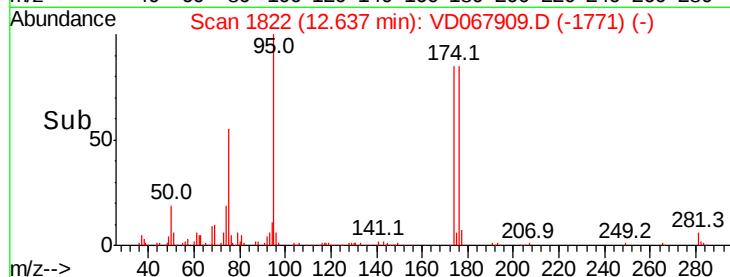
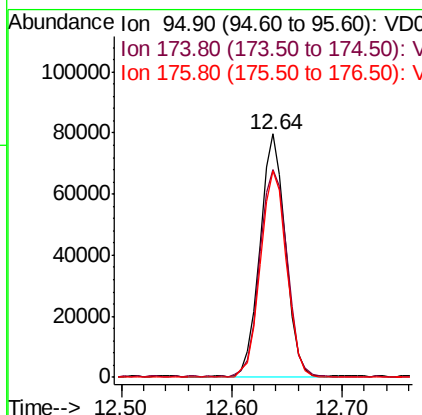
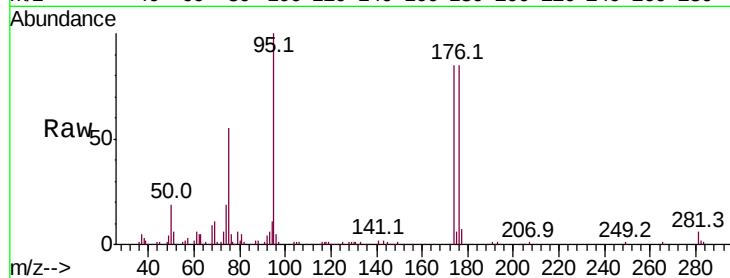




#62
4-Bromofluorobenzene
Concen: 46.232 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD067909.D
Acq: 08 Dec 2020 12:20

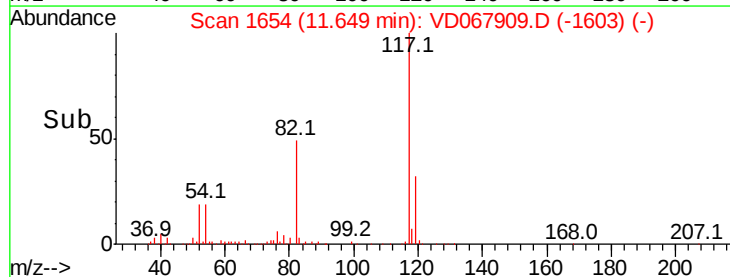
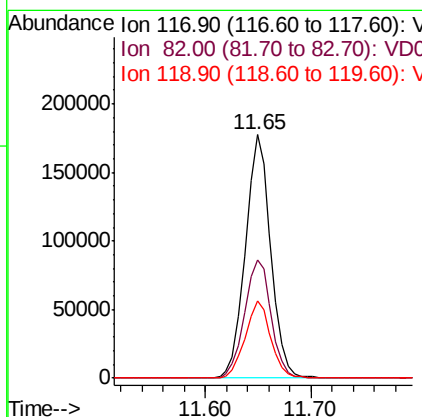
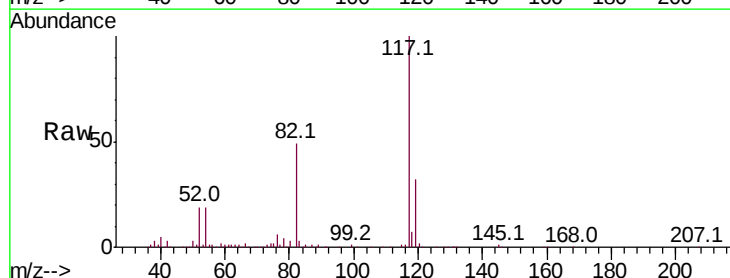
Instrument :
MSVOA_D
ClientSampled :
CRT012

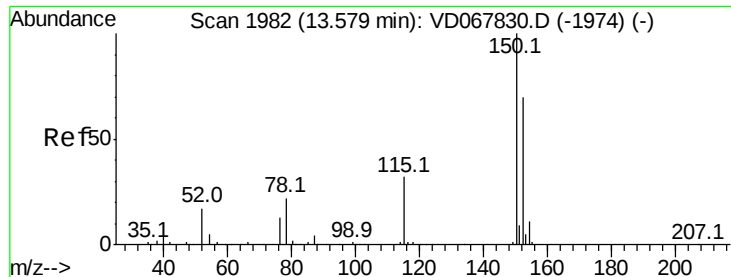
Tot Ion: 95 Resp: 128814
Ion Ratio Lower Upper
95 100
174 92.9 0.0 186.0
176 87.2 0.0 184.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067909.D
Acq: 08 Dec 2020 12:20

Tgt Ion: 117 Resp: 295245
Ion Ratio Lower Upper
117 100
82 48.7 40.6 60.8
119 31.7 25.1 37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD067909.D

Acq: 08 Dec 2020 12:20

Instrument :

MSVOA_D

ClientSampleId :

CRT012

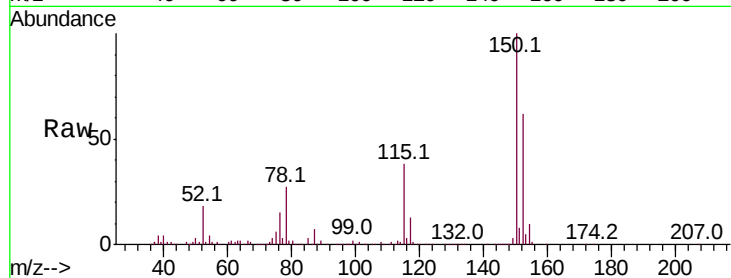
Tot Ion:152 Resp: 141438

Ion Ratio Lower Upper

152 100

115 60.7 29.1 87.4

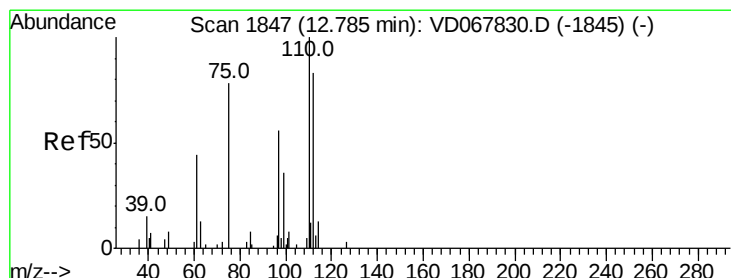
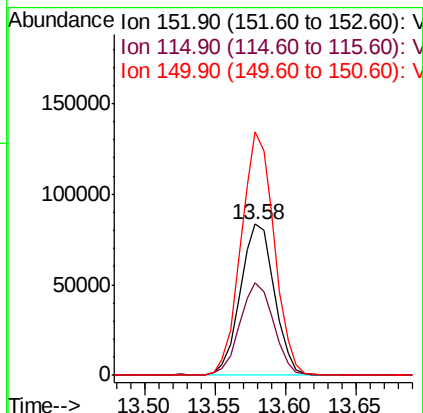
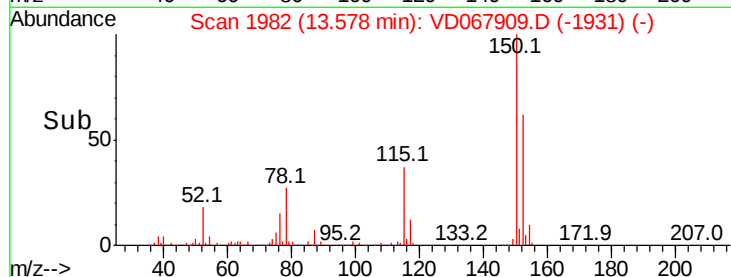
150 155.5 0.0 339.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 69.945 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067909.D

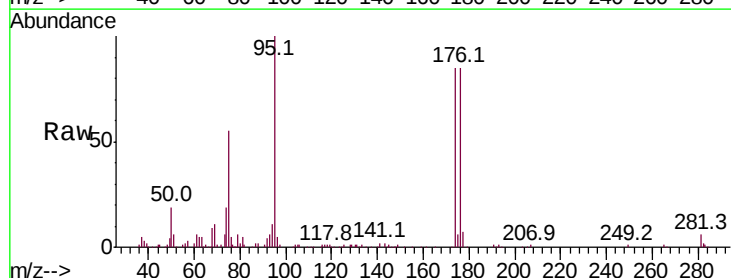
Acq: 08 Dec 2020 12:20

Tgt Ion: 75 Resp: 72043

Ion Ratio Lower Upper

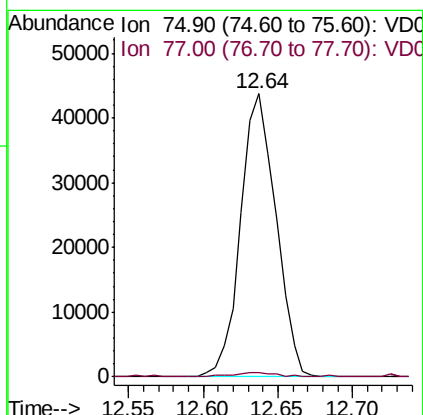
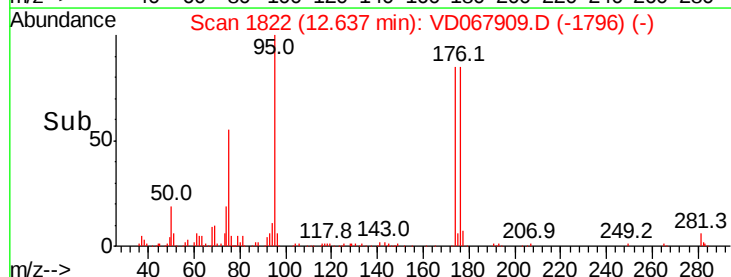
75 100

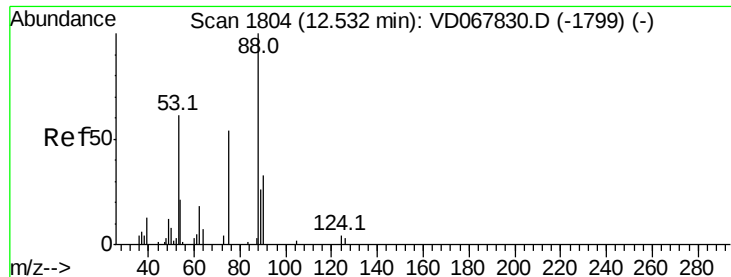
77 2.0 175.9 527.7#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 167.315 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067909.D

Acq: 08 Dec 2020 12:20

Instrument :

MSVOA_D

ClientSampleId :

CRT012

Tot Ion: 75 Resp: 72043

Ion Ratio Lower Upper

75 100

53 0.1 84.6 127.0#

89 0.0 41.0 61.6#

